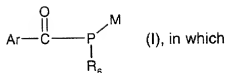


# Abstract

Compounds of the formula I



naphthyl, biphenyl or an O-, S- or N-containing 5- or 6-membered heterocyclic ring; R<sub>1</sub> and R<sub>2</sub> are C<sub>1</sub>-C<sub>20</sub>alkyl, OR<sub>11</sub>, CF<sub>3</sub> or halogen; R<sub>3</sub>, R<sub>4</sub> and R<sub>5</sub> are hydrogen, C<sub>1</sub>-C<sub>20</sub>alkyl, OR<sub>11</sub> or halogen; R<sub>6</sub> is unsubstituted or substituted C<sub>1</sub>-C<sub>24</sub>alkyl, C<sub>2</sub>-C<sub>24</sub>alkyl, which is interrupted by O, S or NR<sub>14</sub> and is unsubstituted or substituted; C<sub>2</sub>-C<sub>24</sub>alkenyl, uninterrupted or interrupted by O, S or NR<sub>14</sub> and unsubstituted or substituted; unsubstituted or substituted C<sub>7</sub>-C<sub>24</sub>arylalkyl; C<sub>4</sub>-C<sub>24</sub>cycloalkyl, uninterrupted or interrupted by O, S and/or NR<sub>14</sub>; or C<sub>8</sub>-C<sub>24</sub>arylcyaloalkyl; R<sub>11</sub> is C<sub>1</sub>-C<sub>20</sub>alkyl, C<sub>3</sub>-C<sub>8</sub>cycloalkyl, phenyl, benzyl or C<sub>2</sub>-C<sub>20</sub>alkyl, interrupted by O or S and unsubstituted or substituted; R<sub>12</sub> and R<sub>13</sub> are hydrogen, C<sub>1</sub>-C<sub>20</sub>alkyl, C<sub>3</sub>-C<sub>8</sub>cycloalkyl, phenyl, benzyl or C<sub>2</sub>-C<sub>20</sub>alkyl, interrupted by O atoms and unsubstituted or substituted; or R<sub>12</sub> and R<sub>13</sub> together are C<sub>3</sub>-C<sub>9</sub>alkylene, uninterrupted or interrupted by O, S or NR<sub>14</sub>; R<sub>14</sub> is hydrogen, phenyl, C<sub>1</sub>-C<sub>12</sub>alkyl or C<sub>2</sub>-C<sub>12</sub>alkyl, interrupted by O or S and unsubstituted or substituted; and M is hydrogen, Li, Na or K; are valuable intermediates for the preparation of unsymmetrical bisacylphosphine oxides and monoacylphosphine oxides.